



Received

APR 16 2017



VTrans
PDD-LTF

FY17 Vermont Better Roads Grant Application

Please complete this page ONCE and return with your Grant Category Application(s)

Town/Organization: Middletown Springs Contact Person(s): Bill Reed
Highway Dept
Address: P.O. Box 1232 Middletown Sprs, VT 05757
Street Address Town Zip
Email: Middletown@Vermontel.net Phone: (802) 235-2220
DUNS #: 035852185 Fiscal Year End Month (MM): June
Accounting System: ☐ Automated ☐ Manual ☒ Combination

Please use the suggested documentation checklist below to ensure that all of the relevant items regarding your application have been included.

- ☒ Grant application cover sheet (Only submit one)
- ☒ Grant application form (One per category/project)
- ☒ Itemized Cost estimate for labor, equipment, and materials (see enclosed Cost Estimate Worksheet). If applicable, please break down funding by source (i.e. different grant sources)
- ☒ Project Location Map (please show location of affected water)
- ☒ Sketch of proposed erosion control measures or other management practices, including distances in feet
Also show approximate location of town/other right-of-way and/or property lines
- ☒ Photo(s) of the project area
- ☒ Letters of Support (RPC, VTrans District Technical Staff, ANR Rivers and Streams Engineers, etc.)
- ☒ If Category C River/Road Conflict or Category D River/Stream Structure or Culvert, you must attach ANR/ACOE consultation

(PRIORITY #2)

Vermont Better Roads Grant Program Application

Please complete one application per category and/or project you are applying for. You may make copies of the application for multiple applications per category and/or multiple categories.

Please check the Category you are applying for:

- ☒ B. Correction of a Road Related Erosion Problem and/or Stormwater Mitigation Retrofit for both gravel and paved roads
- ☐ C. Correction of a Stream Bank or Slope Related Problem
- ☐ D. Structure/culvert upgrades

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VTTrans
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Town/Organization: Middle Town Springs Highway Dept.

Project Name: Coxhill East - road and ditch erosion

Road Name: Coxhill Rd TH #: 4 Structure # (if applicable): _____

Road Type: Paved or Unpaved (circle one) Curbed or Uncurbed (circle one)

Class 1 Class 2 Class 3 Class 4 (circle one)

Watershed: _____

Please provide a thorough description of the problem (ex. Roadway has steep slope with no ditch which is causing roadway erosion):

during heavy rains and run off The ditches can't handle
The volume of water forcing The road Shoulder To continue to
wash away and causing a cross culvert To plug with large amounts
of sediment.

Description of Project and how you plan to complete the work (ex. Stone line 500' of ditch by reshaping ditch and stone lining, working from the top of the project down to the bottom):

re shape ditch and stone line. daylight cross culvert into a
splash/plunge pool. Pour header on outlet end of culvert from D/I
add top coat to road to maintain proper crown and allow water to shed
evenly. Seed and mulch exposed areas.

Expected Effects (+ & -) on water quality (ex. Erosion will be eliminated by placing the stone ditch):

Seeding and mulching exposed areas will help to stop erosion. The
splash/plunge pool will collect sediment and silt and we will be able to
dispose of it properly. Applying processed gravel to top coat The road
will allow proper crown and let water shed evenly. The stone lined ditch
will prevent erosion of The road. The culvert header will prevent The
end of The culvert from erosion.



Distance from end of project to nearest water (stream, lake, or stormwater system that outlets directly to water). Please circle one: 0-50' 50-250' 250'+

Progress to Date:

Stone has been placed in shoulder of road to slow the erosion of the road

Is there an emergency reason this project must be completed quickly? If yes, please explain:

To prevent ongoing loss of road materials and prevent silt and sediment from getting into our waterways

Has this project been identified through a municipal road inventory, capital budget plan, tactical basin plan, culvert inventory, or other management plan? If yes, please list which.

Yes: Culvert inventory

No

Please list any professionals you may have contacted for assistance with this project (ANR River Management Engineer, Army Corps of Engineers, VTrans District Technical staff, Basin Planner etc.):

ANR River management engineer

Is the project located in the town "Right of Way?" Yes, No, Both (if "Both" please explain further).

Will the town road crew complete this work? Yes, No, Some (if "some" please explain further).



Describe how the grant funds will be spent and/or attach a project budget: To use Techniques from The Better Backroads manual to correct erosion related problems. This will allow us to reduce maintenance hrs and prevent loss of materials. (See attached cost estimate worksheet)

How do you plan to meet the required 20% match on this grant?:

Through Line Items in our regular highway Budget

Requested Grant Amount (\$20,000 max Category B, \$40,000 max Categories C & D): \$ 11,711.56

Estimated Total Project Cost (including 20% local match): \$ 11,711.56

Estimated Completion Date: 10/1/16

REQUIRED ATTACHMENTS:

- ☒ Itemized Cost Estimate (labor, equipment, materials)
(For assistance, call Better Backroads at 802-828-4585)
- ☒ Project Location Map
(Please show location of affected water; 1:12,000 USGS map, if possible)
- ☒ Sketch of proposed erosion control measures, including:
 - ☐ Distances (ft.)
 - ☐ Estimate of waste & borrow quantities
 - ☐ Approx. location of town/other right-of-way and/or property lines
- ☒ Photo(s) of the project area.
- ☒ Agreement for Entry and/or Deed of Easement (if project is outside Town ROW).
- ☒ If project involves stream or river/road conflict, include documentation of consultation with a River Management Engineer.
- ☒ Other appropriate supporting documents.

By signing this application I certify that all the information provided is accurate to the best of my knowledge. We will comply with all the requirements of the grant including making our books available for audit if required.

SIGNATURE OF APPLICANT: (Must be Town Administrator/Manager or Select Board Chair)

Name: Fery A Redden Title: 04/12/2016

Cost Estimate Worksheet

Town and Road Name: Middle Town Springs - Coyhill rd TH# 4 Project Name: Coyhill East - Road and ditch Erosion

[illegible]

Grand Total	\$ 11,711.56
Match	\$ 2,927.89



Vermont Better Roads Category B Grant Proposal Scoring Criteria

All categories will be scored on a sliding scale. The numbers below represent guidelines for scoring.

1. Application is complete [maximum 5 points]
 - ☒ Yes (5 points)
 - ☐ No (0 points)
2. Use of Best Management Practices (BMPs) from Better Back Roads Manual, ANR Stormwater Manual, and/or Green Stormwater Infrastructure sizing tool for small sites [maximum 15 points]
 - ☒ The proposal includes specific steps to maximize the likelihood of long-term success by applying BMPs (15 points)
 - The proposal includes an adequate number of steps to increase the likelihood of success by applying BMPs (10 points)
 - The proposal includes little or no steps to increase the likelihood of success by applying BMPs (0 points)
3. Expected Water Quality Benefits – [maximum 25 points]
 - ☒ Project will lead to significant reductions in sediment and/or phosphorous (25 points)
 - ☐ Project will lead to moderate reductions in sediment and/or phosphorus (15 points)
 - ☐ Project will lead to small reductions in sediment and/or phosphorus (10 points)
4. Distance from end of project to water or direct conveyance [maximum 20 points]
 - ☐ 0-50 ft. (20 points)
 - ☐ 50-250 ft. (10 points)
 - ☒ 250 ft. + (0 points)
5. Project is identified through a municipal road inventory, and/or capital budget plan, tactical basin plan, culvert inventory, please include with your application [maximum 15 points]
 - ☒ Project identified (15 points)
 - ☐ Not identified (0 points)
6. Cost effectiveness [maximum 15 points]
 - ☒ The cost of the project is reasonable based on the expected results (15 points)
 - ☐ The cost of the project outweighs the benefits (0 points)
7. A river/water quality or transportation professional, or other partner is engaged in the project [maximum 10 points]
 - ☐ Partners are identified and letters of support are included (10 points)
 - ☒ A letter of support is included (5 points)
 - ☐ No documentation of partnership exists (0 points)
8. Selection Committee discretionary allowance [maximum 10 points]
9. New Towns applying to the program will receive a BONUS of [10 points]

Subject **Middletown Springs_Coy Hill Rd Improvements**
From Carvajal, Joshua <Joshua.Carvajal@vermont.gov>
To middletown@vermontel.net <middletown@vermontel.net>
Date 2016-03-29 13:24

Bill,

Thanks for meeting with me to discuss this project.

Based on the drainage area of under 0.5 square miles, the perennial stream that crosses the road is jurisdictional under the Stream Alteration General Permit (SAGP) but the replacement culvert is classified as a Non-Reporting Activity under section C.2.1.5 (page 9 of

http://www.anr.state.vt.us/dec/waterq/rivers/docs/2014_04_10_Stream_Alteration_GP.pdf)

No permit coverage is required. If you decide to replace this culvert, I would suggest sizing it based on both of the adjacent hillside flows combining since these streams have the potential to combine flows during larger storm events.

The roadside ditch stabilization and driveway culvert crossing portion of this project do not need to obtain coverage under the SAGP since they are just drainage related improvements.

Thanks and let me know if you have any questions.

Josh Carvajal, P.E. CFM
Rivers Program
Agency of Natural Resources
Department of Environmental Conservation

cell: (802) 490-6163

www.watershedmanagement.vt.gov/rivers.htm
floodready.vermont.gov

Our email addresses have changed (@vermont.gov)

NEW: joshua.carvajal@vermont.gov

Please update your address book!







